

## **ABSTRACT**

A bone implant and the method of manufacturing thereof, the bone implant, in particular an inter-vertebral implant, made of a radiation-permeable material having a circular-shaped hollow body with a sleeve. The inter-vertebral implant defining a surface and comprising a front section, a back section, and two lateral sections defining a central axis. The hollow body is subdivided by at least two partitions running essentially parallel to the central axis and which connect the front section to the back section. The surface of the bone implant has surface irregularities of at least 2  $\mu\text{m}$ , and the at least two partitions have at least one perforation.